

Rec'd PCT/PTO 050 2004

(12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(19) World Intellectual Property
Organization
International Bureau



(43) International Publication Date
16 October 2003 (16.10.2003)

PCT

(10) International Publication Number
WO 2003/084520 A3

(51) International Patent Classification⁷: A61K 9/16, (74) Agent: MAIWALD, Walter; Maiwald Patentanwalts
9/20, 9/22, 31/485 GmbH, Elisenhof, Elisenstrasse 3, 80335 München (DE).

(21) International Application Number: PCT/EP2003/003540

(22) International Filing Date: 4 April 2003 (04.04.2003)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:
102 15 131.8 5 April 2002 (05.04.2002) DE
102 15 067.2 5 April 2002 (05.04.2002) DE

(71) Applicant (for all designated States except US): EURO-
CELIQUE S.A. [LU/LU]; 122, Boulevard de la Petrusse,
L-2330 Luxembourg (LU).

(72) Inventors; and

(75) Inventors/Applicants (for US only): BRÖGMANN,
Bianca [DE/DE]; Hinter dem Brot 4, 89073 Ulm (DE).
MÜHLAU, Silke [DE/DE]; Basaltring 19, 65582 Diez
(DE). SPITZLEY, Christof [DE/DE]; Ringstrasse 7a,
65627 Elbtal-Heuchelheim (DE).

(81) Designated States (national): AE, AG, AL, AM, AT, AU,
AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU,
CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH,
GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC,
LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW,
MX, MZ, NI, NO, NZ, OM, PH, PL, PT, RO, RU, SC, SD,
SE, SG, SK, SL, TJ, TM, TN, TR, TT, TZ, UA, UG, US,
UZ, VC, VN, YU, ZA, ZM, ZW.

(84) Designated States (regional): ARIPO patent (GH, GM,
KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW),
Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM),
European patent (AT, BE, BG, CH, CY, CZ, DE, DK, EE,
ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO,
SE, SI, SK, TR), OAPI patent (BF, BJ, CF, CG, CI, CM,
GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

Published:

— with international search report

(88) Date of publication of the international search report:
11 March 2004

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

WO 2003/084520 A3

(54) Title: PHARMACEUTICAL PREPARATION CONTAINING OXYCODONE AND NALOXONE

(57) Abstract: The invention concerns a storage stable pharmaceutical preparation comprising oxycodone and naloxone for use in pain therapy, with the active compounds being released from the preparation in a sustained, invariant and independent manner.

INTERNATIONAL SEARCH REPORT

International Application No
PCT/EP 03/03540A. CLASSIFICATION OF SUBJECT MATTER
IPC 7 A61K9/16 A61K9/20 A61K9/22 A61K31/485

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)
IPC 7 A61K

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the International search (name of data base and, where practical, search terms used)

EPO-Internal, WPI Data, BIOSIS, EMBASE

C. DOCUMENTS CONSIDERED TO BE RELEVANT

| Category | Citation of document, with indication, where appropriate, of the relevant passages | Relevant to claim No. |
|----------|---|-----------------------|
| X | WO 99 32119 A (EURO CELTIQUE SA ;KAIKO ROBERT F (US); COLUCCI ROBERT D (US)) 1 July 1999 (1999-07-01) abstract page 23, line 1 -page 23, line 35 page 25, line 7 -page 25, line 27 page 30, line 30 -page 33, line 33 page 34, line 23 -page 35, line 6 claims 1,7 --- WO 99 32120 A (EURO CELTIQUE SA ;PALERMO PHILIP (US)) 1 July 1999 (1999-07-01) abstract page 17, line 16 -page 18, line 6 page 28, line 19 -page 31, line 15 page 32, line 10 -page 33, line 8 claim 1 --- -/- | 1-32 |
| X | | 1-32 |

 Further documents are listed in the continuation of box C. Patent family members are listed in annex.

* Special categories of cited documents :

- *A* document defining the general state of the art which is not considered to be of particular relevance
- *E* earlier document but published on or after the International filing date
- *L* document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)
- *O* document referring to an oral disclosure, use, exhibition or other means
- *P* document published prior to the International filing date but later than the priority date claimed

- *T* later document published after the International filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
- *X* document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
- *Y* document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.
- *&* document member of the same patent family

Date of the actual completion of the International search

25 September 2003

Date of mailing of the International search report

02/10/2003

Name and mailing address of the ISA

European Patent Office, P.B. 5818 Patentlaan 2
NL - 2280 HV Rijswijk
Tel. (+31-70) 340-2040, Tx. 31 651 epo nl,
Fax: (+31-70) 340-3016

Authorized officer

Felder, C

INTERNATIONAL SEARCH REPORT

International Application No

PCT/EP 03/03540

C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

| Category * | Citation of document, with indication, where appropriate, of the relevant passages | Relevant to claim No. |
|------------|---|-------------------------|
| P, X | WO 03 007802 A (EURO CELTIQUE SA ; WRIGHT CURTIS (US); BREDER CHRISTOPHER D (US); C) 30 January 2003 (2003-01-30) abstract page 11, paragraph 4 -page 11, last paragraph page 15, paragraph 1 -page 16, paragraph 3 page 18, last paragraph -page 19, paragraph 1 --- | 1-4, 6-32 |
| X | US 4 457 933 A (GORDON MAXWELL ET AL) 3 July 1984 (1984-07-03) the whole document --- | 1-7, 11-13, 28-32 |
| X | GB 1 390 772 A (ENDO LAB) 16 April 1975 (1975-04-16) the whole document --- | 1-7, 11-13, 28-32 |

INTERNATIONAL SEARCH REPORT

Information on patent family members

International Application No

PCT/EP 03/03540

| Patent document cited in search report | Publication date | Patent family member(s) | | Publication date |
|--|------------------|-------------------------|--|------------------|
| WO 9932119 | A 01-07-1999 | AU 2008499 A | | 12-07-1999 |
| | | BR 9813827 A | | 10-10-2000 |
| | | CA 2314893 A1 | | 01-07-1999 |
| | | CN 1303287 T | | 11-07-2001 |
| | | EP 1041987 A1 | | 11-10-2000 |
| | | HU 0102658 A2 | | 28-03-2002 |
| | | JP 2001526228 T | | 18-12-2001 |
| | | NO 20003277 A | | 21-08-2000 |
| | | NZ 505193 A | | 28-03-2003 |
| | | PL 342429 A1 | | 04-06-2001 |
| | | TR 200001942 T2 | | 21-11-2000 |
| | | WO 9932119 A1 | | 01-07-1999 |
| | | US 6277384 B1 | | 21-08-2001 |
| | | US 2003031712 A1 | | 13-02-2003 |
| | | US 6375957 B1 | | 23-04-2002 |
| | | US 2002013301 A1 | | 31-01-2002 |
| | | US 2002058673 A1 | | 16-05-2002 |
| ----- | | | | |
| WO 9932120 | A 01-07-1999 | AU 755790 B2 | | 19-12-2002 |
| | | AU 2089999 A | | 12-07-1999 |
| | | BR 9813826 A | | 10-10-2000 |
| | | CA 2314896 A1 | | 01-07-1999 |
| | | CN 1284879 T | | 21-02-2001 |
| | | EP 1041988 A1 | | 11-10-2000 |
| | | HU 0100310 A2 | | 28-06-2001 |
| | | JP 2001526229 T | | 18-12-2001 |
| | | NO 20003278 A | | 22-08-2000 |
| | | NZ 505192 A | | 30-05-2003 |
| | | PL 341309 A1 | | 09-04-2001 |
| | | TR 200001828 T2 | | 21-11-2000 |
| | | WO 9932120 A1 | | 01-07-1999 |
| | | US 6228863 B1 | | 08-05-2001 |
| | | US 2002004509 A1 | | 10-01-2002 |
| ----- | | | | |
| WO 03007802 | A 30-01-2003 | WO 03007802 A2 | | 30-01-2003 |
| | | US 2003069263 A1 | | 10-04-2003 |
| ----- | | | | |
| US 4457933 | A 03-07-1984 | NONE | | |
| ----- | | | | |
| GB 1390772 | A 16-04-1975 | DE 2222039 A1 | | 23-11-1972 |
| | | FR 2137560 A5 | | 29-12-1972 |
| ----- | | | | |